United States
Environmental Protection
Agency

Remedial Investigation/Feasibility Study
Gulfco Marine Maintenance
Freeport, Brazoria County, Texas

July 2007

This fact sheet will tell you about:

- **Present Status**
- **Site Description and History**
- **Contact Information**

Present Status

Continued Remedial Investigation/Feasibility Study (RI/FS) field activities were performed during April through June at the Gulfco Marine Maintenance Site (Site). These activities included the collection of surface soil samples, and the drilling, installation, development, and sampling of groundwater monitoring wells. Depending on the findings of these recent sampling activities and previous field investigations, future RI/FS field activities may include the collection of additional soil, groundwater, and sediment samples from the Site and nearby areas. The investigation findings will be described in a Remedial Investigation Report to be prepared after investigation activities are completed.

As described in a December 2006 Fact Sheet for the Site, fish and crab tissue samples were collected from the Intracoastal Waterway adjacent to the Site in November and December 2006. Chemical analyses of these samples were performed and a preliminary risk assessment using these data was prepared. This assessment concluded that potential exposure to Site-related chemicals through ingestion of fish and crabs caught from this area is unlikely to pose a significant threat. The fish sample results are included in the attached table.

Site Description and History

The Site is approximately 40 acres in size and is located approximately 3 miles southeast of the city of Freeport, Texas. It lies along the north bank of the Intracoastal Waterway. The Site operated as a barge cleaning facility from 1971 until 1998. Operations at the facility involved the cleaning, servicing, and repair of various types of barges. The Site was proposed to the National Priorities List (NPL) on September 2, 2002, and included on the NPL on May 30, 2003.

RI/FS activities are being performed by some of the Potentially Responsible Parties under the oversight of EPA and the Texas Commission on Environmental Quality.

For more information, please contact.....

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U.S. EPA on the Internet ..... www.epa.gov/region6 or www.epa.gov/region6/superfund

If you have any questions or would like your name added to the mailing list, please call 1.800.533.3508

Para recibir una traducción en español de esta hoja de datos, communicarse con las Agencia de Protección del Medio Ambiente do los EEUU (las EPA) al número de teléfono 1.800.533.3508.

Information Repositories.....

Freeport Branch Library
410 Brazosport Blvd
Freeport, TX 77541

Texas Commission on Environmental Quality
Records Management Center
12100 Park 35 Circle, Bldg. E
Austin, TX 78753-3087

TABLE 1. FISH TISSUE DATA

Sample ID	4,4'-DDE	4,4'-DDT	Benzo(a) anthracene	Benzo (a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenz(a,h) anthracene	Hexachloro benzene	Indeno(1,2,3-cd)pyrene	Lead	Silver	% Moisture	% Lipids
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
BLUE CRAB														
IW-BC-00401	<0.00723	<0.00578	<0.056	<0.035	<0.045	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.053	80.1	0.07
IW-BC-00402	<0.00716	<0.00572	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.053	81	0.1
IW-BC-00403	<0.00745	<0.00595	<0.056	<0.035	<0.045	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.053	81.3	0.33
IW-BC-00404	<0.00738	<0.00589	<0.057	<0.035	<0.045	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.053	78.8	0.08
IW-BC-00405	<0.00723	<0.00578	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.053	80.5	0.2
IW-BC-00406	<0.0073	<0.00583	<0.057	<0.352	<0.458	<0.384	<0.029	<0.484	<0.056	<0.023	<0.19	<0.053	79.9	0.02
IW-BC-00409	<0.00738	<0.00589	<0.567	<0.348	<0.453	<0.38	<0.289	<0.479	<0.562	<0.229	<0.19	0.11 J	80	0.04
IW-BC-00410	<0.0073	<0.00583	<0.561	<0.345	<0.449	<0.377	<0.286	<0.475	<0.558	<0.226	<0.19	0.078 J	83.3	0.02
IW-BC-00411	<0.00745	<0.00595	<0.058	<0.036	<0.047	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.053	79.9	0.01
RED DRUM														
IW-RD-00001	<0.0073	<0.00583	<0.058	<0.036	<0.047	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.053	76.6	0.06
IW-RD-00002	<0.00716	<0.00572	<0.057	<0.035	<0.046	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.053	80.7	0.12
IW-RD-00003	<0.00723	<0.00578	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.053	79	2.77
IW-RD-00004	<0.00745	<0.00595	<0.567	<0.348	<0.453	<0.38	<0.289	<0.479	<0.562	<0.229	<0.19	<0.053	81.8	0.03
IW-RD-00005	<0.0073	<0.00583	<0.567	<0.348	<0.453	<0.38	<0.289	<0.479	<0.562	<0.229	<0.19	<0.053	78.7	0.16
IW-RD-00006	<0.00745	<0.00595	<0.572	<0.352	<0.458	<0.384	<0.292	<0.484	<0.568	<0.231	<0.19	<0.053	79.6	0.01
SOUTHERN FLOUNDER														
IW-SF-00301	<0.00745	<0.00595	<0.058	<0.036	<0.046	<0.039	<0.029	<0.049	<0.058	<0.023	<0.19	0.22 J	78	0.49
IW-SF-00302	<0.0073	<0.00583	<0.056	<0.035	0.048 J	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.053	78.6	1.24
IW-SF-00303	<0.0073	<0.00583	<0.057	<0.352	<0.458	<0.384	<0.029	<0.484	<0.056	<0.023	<0.19	<0.053	77.3	1.24
IW-SF-00304	<0.00723	<0.00578	<0.057	<0.348	<0.453	<0.38	<0.029	<0.479	<0.056	<0.023	<0.19	<0.053	77.8	2.19
IW-SF-00305	<0.00738	<0.00589	<0.561	<0.345	<0.449	<0.377	<0.286	<0.475	<0.558	<0.226	<0.19	<0.053	78.9	0.1
IW-SF-00306	<0.00745	<0.00595	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.053	77.7	0.1
IW-SF-00307	<0.00745	<0.00595	<0.561	<0.345	<0.449	<0.377	<0.286	<0.475	<0.558	<0.226	<0.19	<0.053	79.1	0.08
IW-SF-00308	<0.00716	<0.00572	<0.578	<0.355	<0.462	<0.388	<0.295	<0.489	<0.574	<0.233	<0.19	<0.053	78.3	0.06
IW-SF-00309	<0.00738	<0.00589	<0.584	<0.359	<0.467	<0.392	<0.298	<0.494	<0.58	<0.235	<0.19	<0.053	77.4	0.06
SPECKLED TROUT														
IW-ST-00101	<0.00745	<0.00595	<0.057	<0.035	<0.045	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	<0.053	77.9	0.08
IW-ST-00102	<0.00745	<0.00595	<0.058	<0.036	0.049 J	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.053	73	1.13
IW-ST-00103	<0.00738	<0.00589	<0.058	<0.036	<0.047	<0.039	<0.03	<0.049	<0.058	<0.024	<0.19	<0.053	76.2	0.31
IW-ST-00104	0.012	<0.00589	<0.058	<0.359	<0.467	<0.392	<0.03	<0.494	<0.058	<0.024	<0.19	0.18 J	76.4	1.02
IW-ST-00105	<0.00745	<0.00595	<0.057	<0.352	<0.458	<0.384	<0.029	<0.484	<0.056	<0.023	<0.19	<0.053	73.6	1.41
IW-ST-00106	<0.00716	<0.00572	<0.056	<0.345	<0.449	<0.377	<0.029	<0.475	<0.056	<0.023	<0.19	<0.053	75.3	0.72
IW-ST-00107	<0.00738	<0.00589	<0.058	<0.036	<0.046	<0.039	<0.029	<0.049	<0.058	<0.023	<0.19	<0.053	77.1	2.87
IW-ST-00108	<0.00723	<0.00578	<0.058	<0.036	<0.046	<0.039	<0.029	<0.049	<0.058	<0.023	<0.19	<0.053	75.1	0.79
IW-ST-00109	0.016 J	<0.00595	<0.057	<0.176	<0.229	<0.192	<0.029	<0.242	<0.056	<0.023	<0.19	<0.053	75	0.49
DUPLICATES														
IW-BC-00405 (DUP)	0.011	<0.00578	<0.057	<0.035	<0.045	<0.038	<0.029	<0.048	<0.056	<0.023	<0.19	0.067 J	80.7	0.02
IW-SF-00302 (DUP)	<0.00723	<0.00578	<0.056	<0.035	0.049 J	<0.038	<0.029	<0.047	<0.056	<0.023	<0.19	<0.053	79.2	0.07
IW-ST-00105 (DUP)	<0.00723	<0.00578	<0.058	<0.359	<0.467	<0.392	<0.03	<0.494	<0.058	<0.024	0.24 J	<0.053	72.1	0.36

Notes:

1. J = Estimated concentration between detection limit and quantitation limit.
2. All concentrations reported on a wet weight basis.
3. Values given for hexachlorobenzene are the laboratory reporting limits that were elevated by a factor of two, based on quality assurance evaluation of the data.
4. "<" Values are Gulfco sample detection limits (SDLs). The SDL, as defined by the Gulfco QAPP and as reported by the laboratory, is equivalent to the sample quantitation limit (SQL) as defined by the EPA in Guidance for Data Useability in Risk Assessment (Part A) (EPA, 1992b, pg. 49), i.e., it is the method detection limit (MDL) adjusted to reflect sample-specific action such as dilution or use of smaller aliquot sizes than prescribed in the method. The Gulfco SQL, as defined by the Gulfco QAPP and reported by the laboratory, is the method quantitation limit (MQL), which is equivalent to the lowest concentration in the calibration curve, adjusted to reflect sample-specific action, and thus it is not equivalent to the SQL for RAGS (EPA, 1989).

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